

To: Baron, Lisa A NAN02[Lisa.A.Baron@usace.army.mil]; Rich, Damon[richda@ci.newark.nj.us]; Ana[abaptista@ironboundcc.org]
From: Butler, Elizabeth
Sent: Tue 9/10/2013 2:45:47 PM
Subject: FW: urban waters

Hi All.

FYI, this is one piece of info I was planning on sharing during our call today, but figured it would be easier to pass along via email.

Later!

Elizabeth

From: Shaw, Richard - NRCS, Somerset, NJ [mailto:Richard.Shaw@nj.usda.gov]
Sent: Thursday, July 25, 2013 2:20 PM
To: Butler, Elizabeth
Subject: urban waters

Hi Elizabeth,

Our agency (USDA-NRCS) recently became involved in the new Urban Waters program along the Delaware River and I noticed that a similar program has started for the Passaic River. Our soil scientists have extensive experience in urban areas and would be glad to provide any assistance with soils issues in the Passaic River area.

This could include:

1) Onsite soil characterization for restoration/revegetation efforts, community gardening, storm water management projects.

We identify the physical and chemical properties of the soil, the depth to water table or restrictive horizon, and the classification for soil mapping.

We can also conduct onsite trace metal (Pb, As, Zn, Hg, etc) analysis with PXRF for community garden suitability or brownfield inventory; onsite measurement of rate of water movement into (infiltration) or through (saturated hydraulic conductivity) soil; and soil health assessment (physical, chemical, microbiological). We have a Ground Penetrating Radar unit that can ID depth to bedrock or other sizeable buried "artifacts" such as tanks, etc. And an Electro Magnetic Inductance (EMI) unit that measures electrical conductivity.

2) Urban soils training sessions for green jobs, community gardens. We have conducted these in NYC for Sustainable South Bronx, New York Restoration Project, NY Hort, and will soon start a soils workshop program with the Ironbound Community Corp in Newark under an EPA Environmental Justice Grant.

3) Volunteer opportunities with our agency to show what a soil scientist, soil conservationist, or biologist works on.

We would like to offer our assistance to the Passaic River UW program. Could you please pass the word, add us to the e-mail list, and keep me informed of any meetings, etc?

Many thanks,

rich

Richard K. Shaw, Ph.D.

State Soil Scientist

USDA-NRCS

220 Davidson Ave, 4th Floor

Somerset, NJ 08873

732-537-6061

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